

# Faculty of Engineering makes UNIMAS proud

**KOTA SAMARAHAN:** Its Faculty of Engineering made Universiti Malaysia Sarawak (UNIMAS) proud recently.

The teams from Mechanical and Manufacturing Engineering Department, Faculty of Engineering won five medals and the "Honour of Invention" award from "World Invention Intellectual Property Association" at the International Engineering Invention and Innovation Exhibition (i-ENVEX 2013) held at Universiti Malaysia Perlis (UniMAP), recently.

The event was co-organised with Malaysian Ministry of Higher Education (MoHE), Malaysian Ministry of Science, Technology and Innovation (MOSTI), ENVEX Young Research Club (EYReC), Malaysian International Young Inventors Olympiad (MIYIO) and Yayasan Inovasi Malaysia.

The event, held from 16-19 April, 2013, was an international expo participated by more than 15 countries, including Canada, Korea, India, Romania and others.

There were altogether five representatives from UNIMAS; four of them were from the Mechanical and Manufacturing Engineering Department and one from Electronics Department.

The team was led by the lecturer, Dr Mohd Danial Ibrahim. Dr Danial was one of the invited jury in the event.

The criteria and selection for the awards and medals were tough; most universities have other institutional collaborations and previous international recognitions.

The UNIMAS teams were distributed to classes of Agriculture, Environmental and Renewable Energy; Biotechnology, Health & Chemicals; Manufacturing Process, Machines & Equipment.

Cathy Ambrose, who was supervised by Dr Mohd Danial Ibrahim with co-researchers of Dr Azham Zulkharnain, Muhd Fadzli Ashari, was awarded the "Honour of Invention" and gold medal with the invention of a "Mobile Automated White Pepper Retting Machine Integrated with Crude Enzyme Solutions".

The product was a collaboration research with the Faculty of Resource Science and Technology of UNIMAS, led by Dr Azham Zulkharnain.

Bong Sik Hsiang, a student supervised by Ir. Dr Mohd Shahril Osman, won silver under the title of "Design and Development of Pastry Shell Forming Machine for Small Cottage Industry".

Siti Noor Haizum Semait, Ting Huang Hung and Curt Henning Bartholomew, who won bronzes in the event, participated with their research inventions entitled "Painless Needle Quadrupletip Micro-needles", "i-Peg : Smart Clothes Air Drying Solution" and "Automated Pepper Retting Machine", respectively.

At the closing ceremony held at UniMAP Kapitol Hall, the Royal Highness Tuanku Raja Muda Perlis, Tuanku Syed Faizuddin Putra ibni Tuanku Syed Sirajuddin Jamalullail

and Brig. General Dato' Prof. Dr Khamarudin Hussin, the Vice Chancellor of UniMAP, witnessed the award and medal presentations to the winners.

More than 400 participants from numerous institutions of higher learning from all over the world took part in this exhibition.

Hundreds of high school students and associations also participated in the MIYIO cluster.

The four-day symposium welcomed both public and private institutions to showcase creative and innovative ideas in inculcating engineering advancements and research for the society.

**THE** teams from the Mechanical and Manufacturing Engineering Department and Faculty of Engineering which won five medals and the "Honour of Invention" award.

